

It is incredible that BPL is even being considered at all considering the vast technical problems, irreversible harm to our RF natural resources, and much more serious priorities for the power companies. The RF interference problems from BPL are all too real and will happen. Preliminary studies made by the commercial industry as well as the ARRL prove that BPL radiated interference as well as interference susceptibility cannot be controlled but instead will run out of control, making this countrys entire HF spectrum useless. Actually its not just this country but the entire worlds spectrum would be unaccessible to residents of the USA.

Cable TV is a closed and balanced system using high grade shielded cables, connectors, and distribution and yet there is still interference problems across the HF band. BPL will employ an open unbalanced system using unshielded cables in an environment where moisture and humidity result in fires, arcing, burning. BPL cannot get around distribution transformers so the proposed solution is to compromise the power system design by adding bypass capacitors around the distribution transformers. This only decreases reliability. The question I ask is how is this weak, compromised, and inappropriate distribution system going to keep broadband internet from interfering with every HF radio in the country? The answer is that BPL will interfere with every HF radio in the country because that is the nature of BPL and distributing a 2 - 80 Mhz signal on open lines.

Broadband networking is simply not appropriate for power lines. It is appropriate for shielded telephone lines, shielded cable lines. There is a reason for the shield... The power companies should stick to what they do best, generate and transfer power, not the internet. I would think the power companies should be fully focused instead on how to update an aged power distributio system, and generate and deliver more reliable power to consumers to avoid a repeat of the Northeastern US and Canada power blackout diaster. The financial loss to the nation is staggering. Internet communications via power lines isn't high priority, reliable power generation and transmission is.